PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: DAVID R. HECKADON TOWNSEND AND TOWNSEND AND CREW LLP TWO EMBARCADERO CENTER	PCT
8TH FLOOR SAN FRANCISCO, CA 94111-3834	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
	(PCT Ruie 44.1)
	Date of Mailing (day/month/year) 18 OCT 2001
Applicant's or agent's file reference	EOD CHURTHER ACTION See paragraphs 1 and 4 halow
18608-50PC	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US01/18606	International filing date (day/month/year) 08 JUNE 2001
Applicant	
NUVASIVE, INC.	
	al search report has been established and is transmitted herewith.
Filing of amendments and statement under Articl The applicant is entitled, if he so wishes, to amend to	e 19: the claims of the international application (see Rule +6):
When? The time limit for filing such amendm international search report; however, for	ents is normally 2 months from the date of transmittal of the more details, see the notes on the accompanying sheet.
Where? Directly to the International Bureau of 34, chemin des Colombet 1211 Geneva 20, Switzer	tes land
Facsimile No.: (41-22) 74 For more detailed instructions, see the notes on	
and the detailed matterious, see the notes on	the accompanying sheet.
2. The applicant is hereby notified that no internationa Article 17(2)(a) to that effect is transmitted herewith	l search report will be established and that the declaration under i.
3. With regard to the protest against payment of (an)	additional fee(s) under Rule 40.2, the applicant is notified that:
	has been transmitted to the International Bureau together with of both the protest and the decision thereon to the designated
no decision has been made yet on the protest;	the applicant will be notified as soon as a decision is made.
4. Further action(s): The applicant is reminded of the foll	owing:
If the applicant wishes to avoid or postpone publication	ational application will be published by the International Bureau, a notice of withdrawal of the international application, or of the provided in rules 90 bis 1 and 90 bis 3, respectively, before the nal publication.
	ternational preliminary examination must be filed if the applicant ntil 30 months from the priority date (in some Offices even later).
	ust perform the prescribed acts for entry into the national phase ed in the demand or in a later election within 19 months from the not bound by Chapter II.

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks

Washington, D.C. 20231 Facsimile No. (703) 305-9230

Authorized officer

CHARLES MARMOR, II Diane Smith of

Telephone No. (703) 308-0858

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 18608-50PC		Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No. PCT/US01/18606	International filing date (day/month/year) 08 JUNE 2001	(Earliest) Priority Date (day/month/year) 08 JUNE 2000
Applicant NUVASIVE, INC.		
	on prepared by this International Searching Aug g transmitted to the International Bureau.	thority and is transmitted to the applicant
	opy of each prior art document cited in this r	eport.
language in which it was filed, the international search was Authority (Rule 23.1(b)). b. With regard to any nucleotide was carried out on the basis of contained in the internation filed together with the interfurnished subsequently to the furnished subsequently to the the statement that the subsin the the statement that the information furnished. 2. Certain claims were found Unity of invention is lacking the text is approved as substantial.	the sequence listing: al application in written form. reational application in computer readable form is Authority in written form. is Authority in computer readable form. sequently furnished written sequence listing tion recorded in computer readable form is ident unsearchable (See Box I). ag (See Box II).	ne international application furnished to this international application, the international search. m. does not go beyond the disclosure
Box III. The applicant may, search report, submit comm 6. The figure of the drawings to be pu	I, according to Rule 38.2(b), by this Authority within one month from the date of mailing of ents to this Authority. Ablished with the abstract is Figure No.	this international
X as suggested by the applicant because the applicant failed because this figure better ch	to suggest a figure.	None of the figures.

Form PCT/ISA/210 (first sheet) (July 1998)*

INTERNATIONAL SEARCH REPORT

International application No. PCT/US01/18606

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

A method and system for detecting the proximity of a nerve to a proximity electrode and the status of the nerve. The method of detecting the status of the nerve (30) includes the steps of placing an electrode near the nerve (32); providing an electrical signal having varying current levels to the electrode (34) to stimulate the nerve; measuring an EMG response of the nerve for the applied current (36); mapping the EMG responses (38) of the nerve for the applied electrical signal for a fixed latency; and determining the status of the nerve based on the mapping of the responses (42).

INTERNATIONAL SEARCH REPORT

International application No.

		FC170301718	OC/O
IPC(7) US CL		h national classification and IPC	
	According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED		
	ocumentation searched (classification system followe	J. L	
1		u by classification symbols;	••
U.S. :	600/546, 547, 548, 554; 607/72, 115, 116, 117, 118		
Documenta searched	tion searched other than minimum documentation t	o the extent that such documents are	included in the fields
	data base consulted during the international search (i e Extra Sheet.	name of data base and, where practicabl	e, search terms used)
c. Doc	UMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X	US 5,775,331 A (RAYMOND et a document.	1) 07 July 1998, see entire	1, 20, 30, 53
A	document.		2-19, 21-29, 31- 52, 54-64
X	US 5,284,154 A (RAYMOND et al) document.	08 February 1994, see entire	1, 20, 30, 53
A	US 5,851,191 A (GOZANI) 22 I document.	December 1998, see entire	1-64
A	US 4,962,766 A (HERZON) 16 October	er 1990, see entire document.	1-64
Furth	Further documents are listed in the continuation of Box C. See patent family annex.		
"A" doc	ecial categories of cited documents; nument defining the general state of the art which is not	"T" later document published after the into date and not in conflict with the appl the principle or theory underlying th	ication but cited to understand
_	isidered to be of particular relevance	"X" document of particular relevance; th	1
	lier document published on or after the international filing date sument which may throw doubts on priority claim(s) or which is	considered novel or cannot be conside when the document is taken alone	
cite spe	id to establish the publication date of another citation or other cital reason (as specified)	"Y" document of particular relevance: the considered to involve an inventive	
me	nument referring to an oral disclosure, use, exhibition or other	combined with one or more other suc being obvious to a person skilled in	the arr
tha	nument published prior to the international filing date but later in the priority date claimed actual completion of the international search	"8" document member of the same paren Date of mailing of the international se	
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	nailing address of the ISA/US ner of Patents and Trademarks	Authorized officer CHARLES MARMOR, II 2016	ine Smith for

INTERNATIONAL SEARCH REPORT

International application No. PCT/US01/18606

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B. FIELDS SEARCHED	
Electronic data bases consulted (Name of data base and where practicable	terms used):
EAST	
search terms: nerve, status, health, condition, proximity, approachs, locats electromyogras, neuro-muscular, response, man graph, also acht, locats	s, stimulation, electrical, current, EMC
electromyogra\$, neuro-muscular, response, map, graph, plot, peaks, latence	y .,
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NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter II.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to tile the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement shoet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must, indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.